

Converting Colors

$Y_{xy}(71.5269, 0.3051, 0.2945)$

Have a look what the booklet for
Yxy(71.5269, 0.3051, 0.2945)
contains.

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Color

Yxy(71.5660, 0.3050, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	E9D5F6
RGB	233, 213, 246
RGB Percent	91%, 84%, 96%
CMY	0.0865, 0.1646, 0.0353
CMYK	0.05, 0.13, 0.00, 0.04
HSL	276°, 65%, 90%
HSV	276°, 13%, 96%
XYZ	74.0171, 71.5660, 97.0958
YIQ	222.7420, 1.3270, 14.5030

Conversions

Conversions Part 2

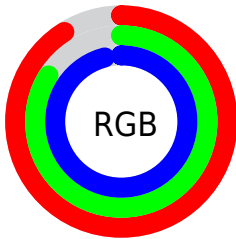
Format	Color
R _Y B	233, 213, 246
Decimal	15324662
CIE Lab	87.76, 12.77, -13.61
CIE LCh	88, 18.665, 313.181
Yxy	71.5660, 0.3050, 0.2949
Android (android.graphics.Color)	4293514742 (0xFFE9D5F6)
YUV	222.7420, 11.4662, 8.9963
Hunter-Lab	84.5967, 8.1326, -8.8324

Details

The Yxy color **71.5660, 0.3050, 0.2949** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.8958, 0.3195, 0.3636**, and the grayscale version is **73.5128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5185, 0.3026, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **58.5223, 0.2980, 0.2675**, and if you desaturate by 10%, it is **86.5833, 0.3109, 0.3207**.

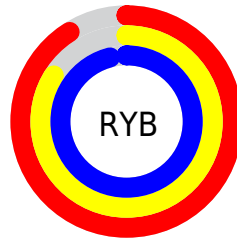
Distribution



Red (91%)

Green (84%)

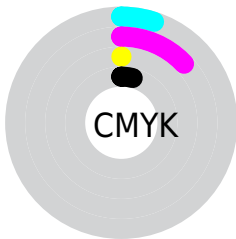
Blue (96%)



Red (91%)

Yellow (84%)

Blue (96%)

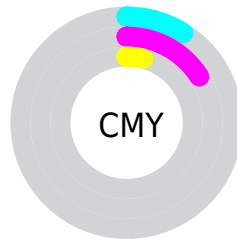


Cyan (5%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (16%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5660, 0.3050, 0.2949 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 71.5660, 0.3050, 0.2949 by changing the saturation by 10% instead.


 71.5660, 0.3050,
0.2949

 71.5660, 0.3050,
0.2949


466.0296, 0.3087,
0.3104

 52.8042, 0.3041,
0.2915

121.4393, 0.3063,
0.3002

 37.6465, 0.3030,
0.2872


153.3196, 0.3068,
0.3023

 25.7084, 0.3016,
0.2819


190.3415, 0.3073,
0.3041

 16.6057, 0.2997,
0.2751

232.8895, 0.3076,
0.3056

 9.9537, 0.2970,
0.2660

281.3479, 0.3080,
0.3070

 5.3683, 0.2931,
0.2533

336.1011, 0.3082,

 2.4649, 0.2866,

0.3083

0.2343

397.5336, 0.3085,
0.3094

0.8590, 0.2745,
0.2029

0.0000, 0.1004,
0.0000

71.5660, 0.3050,
0.2949

71.5660, 0.3050,
0.2949

58.5223, 0.2980,
0.2675

86.5833, 0.3109,
0.3207

47.3574, 0.2900,
0.2391

98.9479, 0.3163,
0.3377

37.9821, 0.2809,
0.2104

99.4335, 0.3179,
0.3376

30.2963, 0.2710,
0.1826

■ 24.1897, 0.2604,
0.1570

■ 19.5386, 0.2496,
0.1350

■ 16.2000, 0.2389,
0.1177

■ 14.0001, 0.2288,
0.1056

■ 13.0034, 0.2225,
0.0999

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5660, 0.2848, 0.2913



71.5660, 0.3050, 0.2949



71.5660, 0.3280, 0.3068

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5660, 0.3050, 0.2949



71.5660, 0.3545, 0.3598



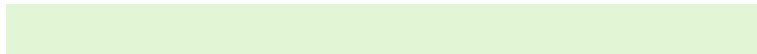
71.5660, 0.2790, 0.3325

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.5660, 0.3050, 0.2949



86.8958, 0.3195, 0.3636

Split Complementary

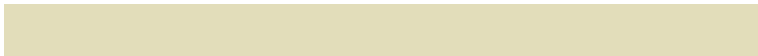
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5660, 0.2967, 0.3528



71.5660, 0.3050, 0.2949



71.5660, 0.3404, 0.3686

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5660, 0.3050, 0.2949



71.5660, 0.3571, 0.3434



71.5660, 0.3192, 0.3663



71.5660, 0.2703, 0.3120

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5660, 0.3050, 0.2949



71.5660, 0.3417, 0.3180



71.5660, 0.3192, 0.3663



71.5660, 0.2841, 0.3396

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.5691, 0.3050, 0.2949



92.9058, 0.3106, 0.3192



75.3129, 0.2916, 0.3079



19.6086, 0.3102, 0.3173



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5691, 0.3050, 0.2949



73.7378, 0.3033, 0.2878



73.6468, 0.3165, 0.2991



16.4218, 0.3074, 0.3052



7.0247, 0.2240, 0.1008



0.6769, 0.2359, 0.1073

Inverse Universe

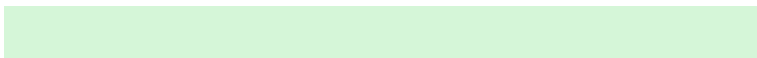
The Inverse Universe completely reimagines the original color for something new.



72.6896, 0.3280, 0.3156



75.1877, 0.3315, 0.3129



85.0331, 0.3091, 0.3609



16.5912, 0.3231, 0.3197



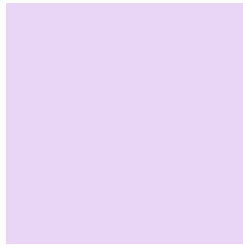
10.9485, 0.5396, 0.2746



0.9819, 0.5063, 0.2563

Previews

White Background



This preview shows how the Yxy color 71.5660, 0.3050, 0.2949 looks on a white background.

Color Contrast Check

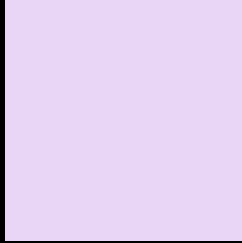
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 71.5660, 0.3050, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

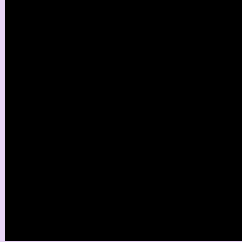
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

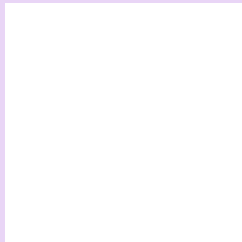
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5660, 0.3050, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 71.5660, 0.3050, 0.2949.



This preview shows how white text looks on a background with the Yxy color 71.5660, 0.3050, 0.2949.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.5660, 0.3050, 0.2949

Protanopia

71.4294, 0.2909, 0.2960

Deuteranopia

71.5699, 0.3029, 0.2957



Tritanopia

71.4160, 0.3128, 0.3111

Trichromacy



Original Color

71.5660, 0.3050, 0.2949

Protanomaly

71.4186, 0.2961, 0.2953

Deuteranomaly

71.7359, 0.3036, 0.2958

Tritanomaly

71.3634, 0.3102, 0.3049

Monochromacy



Original Color

71.5660, 0.3050, 0.2949

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.7635, 0.3105, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5660, 0.3050, 0.2949 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(233, 213, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 213, 246) }
```

Border

The CSS property to change the border of an element to Yxy 71.5660, 0.3050, 0.2949 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 213, 246) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 213, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(233, 213,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5660, 0.3050, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 213, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
213, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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